

DISCUSSION

TABULATION OF PROPOSED SERVICE CONTOURS

DISTANCES TO CONTOURS (KILOMETERS):

FREQUENCY: 105.7000 MHZ Ch. 289A

F(50,50) CURVES NUMBER OF CONTOURS: 2

AZ (DEGS)	HAAT (M)	ERP (DBK)	CONTOUR LEVELS (DBU):	
			70.0	60.0
.0	108	7.80	16.8	29.5
45.0	101	7.80	16.3	28.7
90.0	105	7.80	16.6	29.1
135.0	101	7.80	16.2	28.6
148.0	102	7.80	16.4	28.8
180.0	102	7.80	16.4	28.8
225.0	90	7.80	15.3	27.2
270.0	102	7.80	16.4	28.8
315.0	88	7.80	15.2	26.9

E. HAROLD MUNN, JR.
& ASSOCIATES, INC.
Broadcast Engineering Consultants
Coldwater, Michigan

EXHIBIT "A"

The proposed transmitter is located within 10 km of existing or proposed FM and/or TV transmitters. This applicant does not believe that any adverse effects on the operation of any existing or proposed facility would result from a grant of this application. The frequency separations, and the physical distance between the facilities should preclude any effects.

In the event such harmful effects are noted, including but not limited to receiver-induced or other types of modulation, the applicant accepts full responsibility for the elimination of any objectionable interference to facilities in existence or authorized or to radio receivers in use prior to grant of this application.

The applicant will take such engineering steps as may be required to satisfy complaints including, but not limited to, the installation of filters, traps, or other devices.

The applicant will comply with the provisions of 47 C.F.R. Sec. 73.318. The proposed transmitter is so located that there is some resident population within the predicted "blanketing" contour, as defined in 47 C.F.R. Section 73.318. While the number of persons potentially affected is minimal, the applicant agrees that full compliance with the procedures and requirements of 73.318(b) and (d) will be attained.

EXHIBIT E - 1 PROPOSED SERVICE

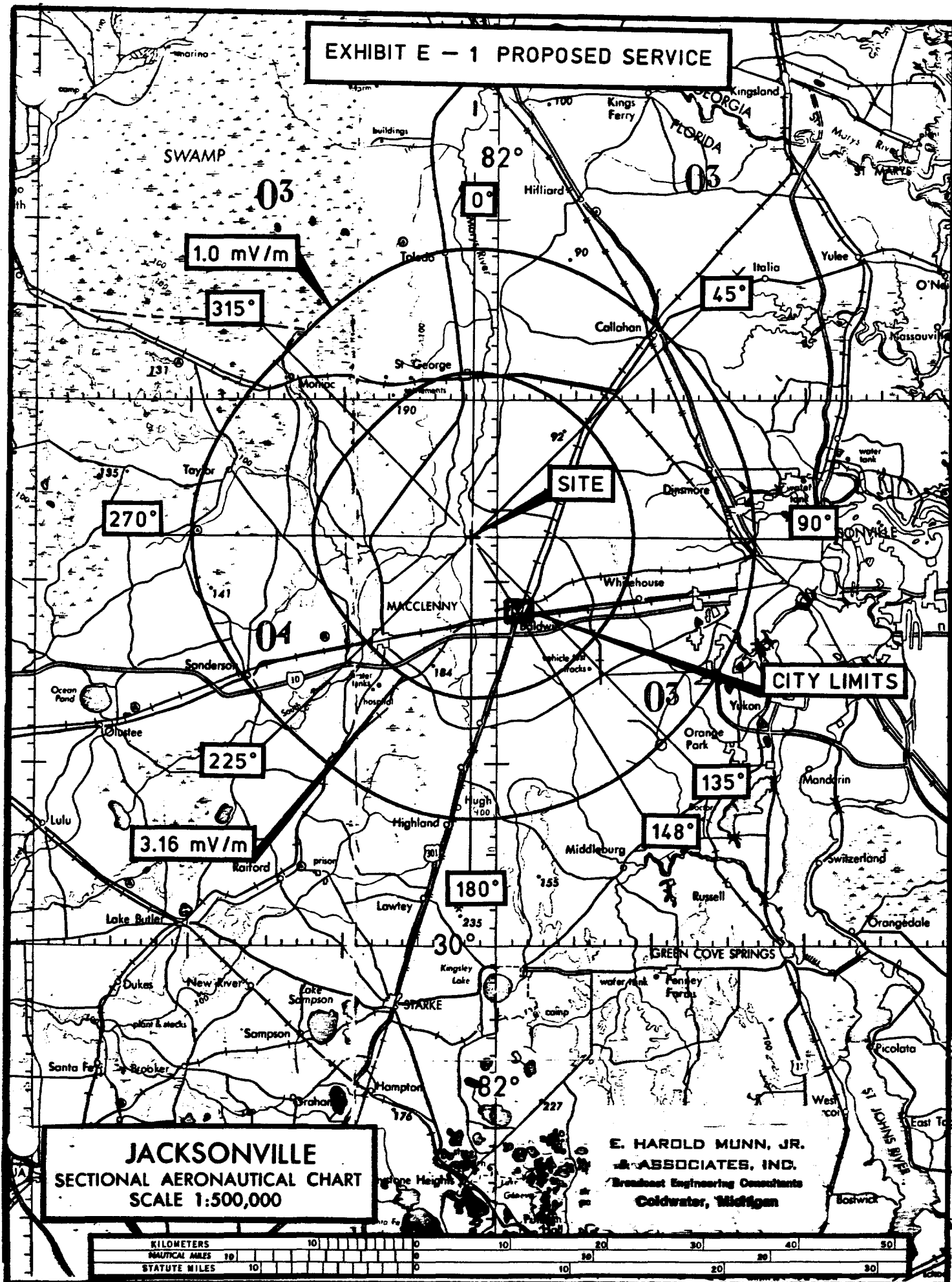


EXHIBIT E-2

ANALYSIS OF TOPOGRAPHIC DATA EMPLOYED

The topographic data employed in this application is based on the National Geophysical Center thirty second point topography data base (TPG-0050).

The averages calculated include 81 points between 3 and 16 km.

The transmitter site elevation was determined by means of 7.5' series topographic mapping. The site coordinates were also developed from the 7.5' series map.

A portion of that map is included in this report as Exhibit E-5.

A detailed topographic analysis using 7.5' topographic maps will be supplied to the Commission if requested.

E. HAROLD MUNN, JR.
& ASSOCIATES, INC.
Broadcast Engineering Consultants
Coldwater, Michigan

EXHIBIT E-3

VERTICAL PLAN

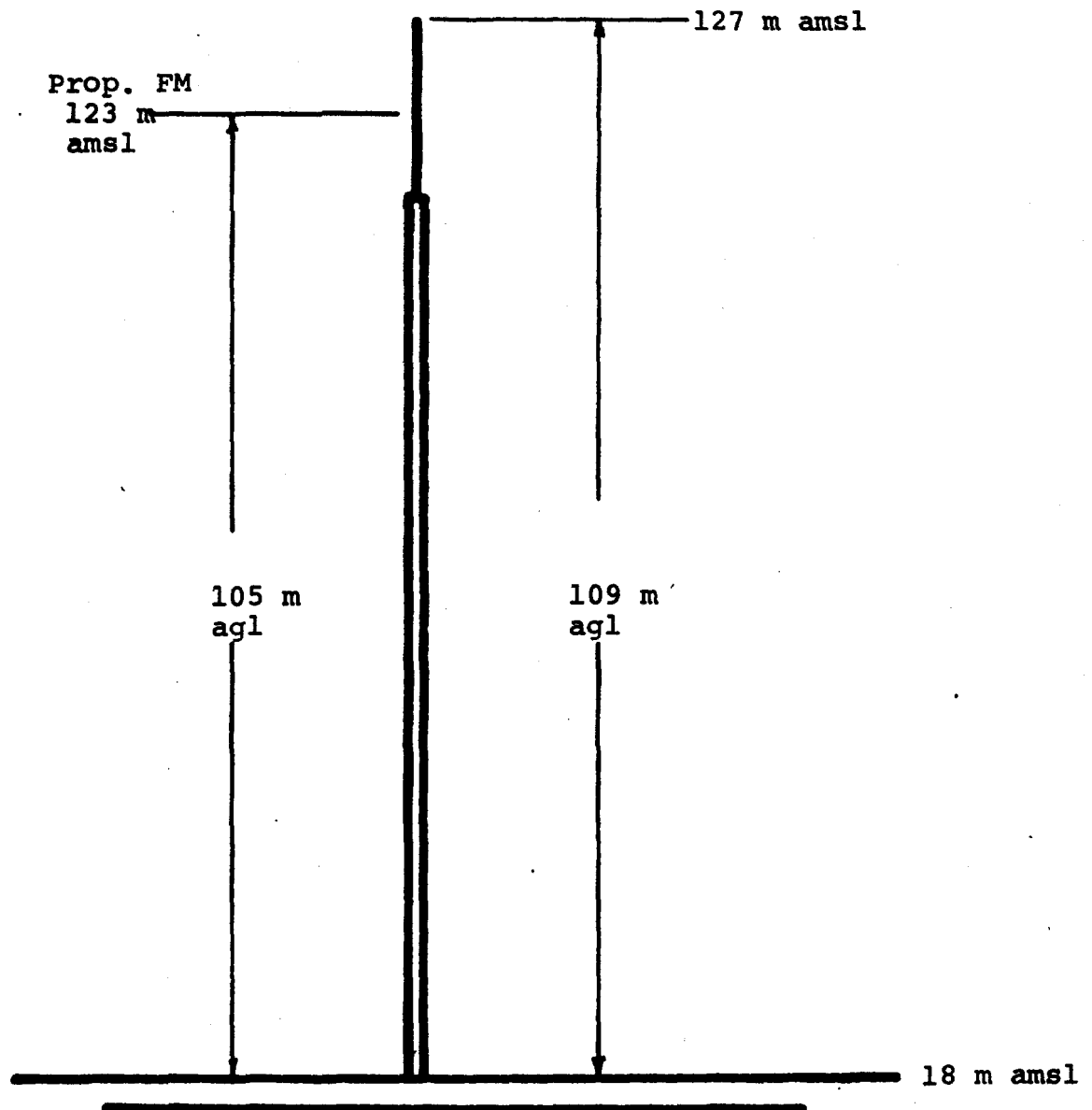
Single, guyed steel tower to support
FM Broadcast antenna for operation
on 105.7 MHz, 6 kW ERP.

SITE LOCATION

NL 30° 22' 27"

WL 82° 01' 36"

W. of S-121, 8.8 km NW of Baldwin. Site
in Nassau Co., FL.



not to scale

guys not shown

EXHIBIT E-4

PROPOSED FM OPERATING SPECIFICATIONS

Applicant: Douglas Johnson

Frequency: 105.7 MHz Channel: 289A ERP: 6 kW HAAT: 100 (meters)

Transmitter Location: W. of S-121, 8.8 km NW of Baldwin (Baldwin in Duval Co.)

County: Nassau

State: Florida

Site Coordinates: NL 30° 22' 27" WL 82° 01' 36"

Proposed Operation:

Effective Radiated Power: 6 (kW)H 6 kW(V)

Height of Antenna Radiation Center Above:

	<u>Average Terrain</u>	<u>Mean Sea Level</u>	<u>Gnd.</u>
H	100 meters	123 m	105 m
V	100 meters	123 m	105 m

Overall Height of Structure Above Ground: 109 meters

Overall Height of Structure Above Mean Sea Level: 127 meters

Site Elevation: 18 meters

MACCLENNY EAST QUADRANGLE

FLORIDA-GEORGIA

7.5 MINUTE SERIES (TOPOGRAPHIC)

SE/4 MACCLENNY 15' QUADRANGLE

EXHIBIT E - 5

4444 IV NW
(BRYCEVILLE)

2'30"

2 780 000 FEET (FLA. NORTH)

2.8 MI TO FLA S/19

403

550 000 FEET (GA.)

82°00'

30°22'30"

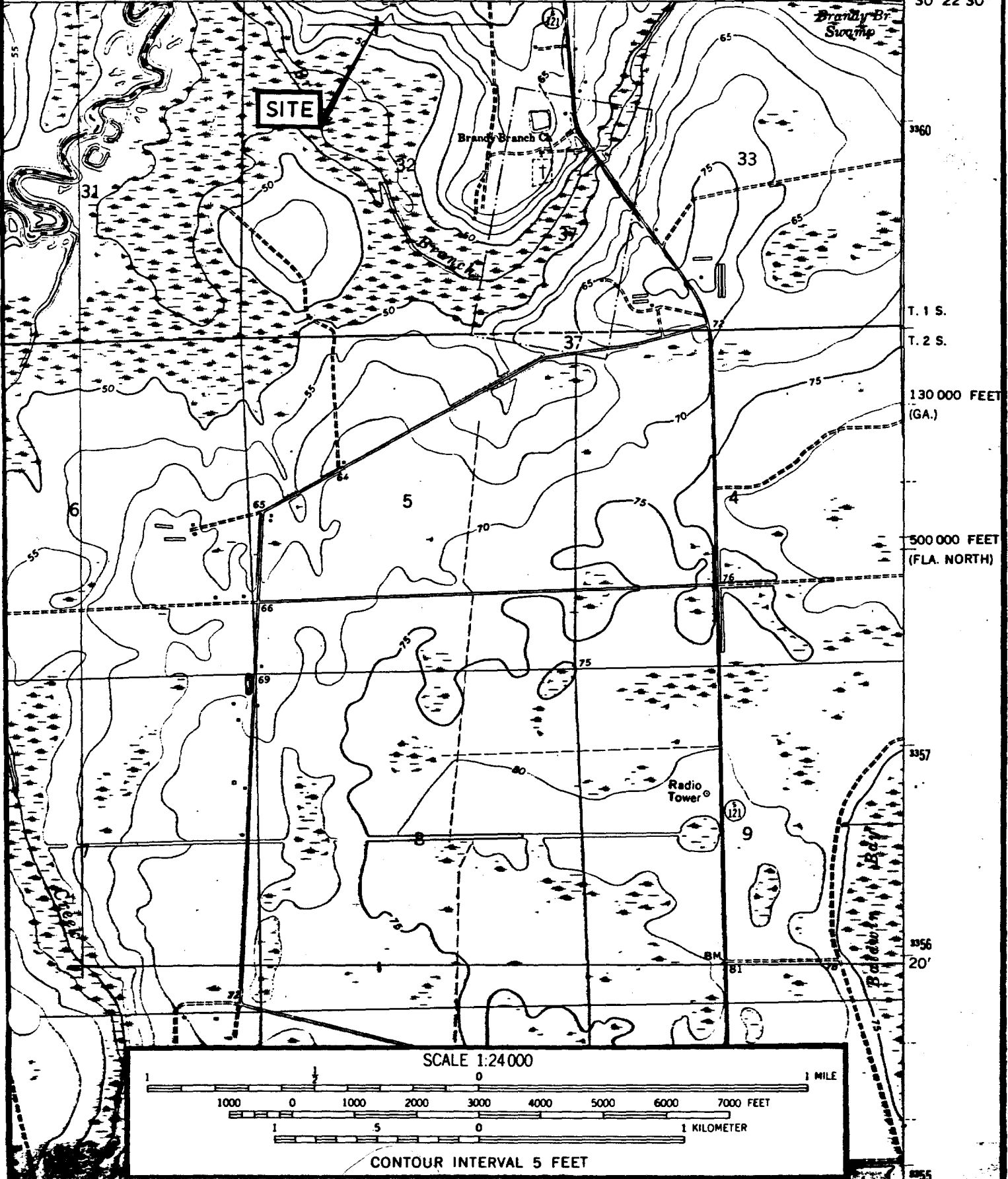


EXHIBIT E - 5A



EXHIBIT E-6

TABULATION OF POPULATION AND AREA

	<u>CONTOUR</u>	<u>POPULATION</u>	<u>AREA</u>
Prop.	1.0 mV/m	105,465 Persons	2,544 sq.km.

The population served by this proposal was determined by superimposing the proposed service contour onto U.S. Standard Civil Division Maps of the 1980 Census, and assuming uniform population distribution within each minor division. The data was computer generated. The area within the specified service contour was determined by measurement of the area using a calibrated polar planimeter. The census data is corrected 1980 information.